



SN-US015180A

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :  
Tatsuya KAWAKAMI :  
Serial No.: 10/671,636 :  
Filed: September 29, 2003 :  
For: BICYCLE SHIFT OPERATING DEVICE :  
FOR BICYCLE TRANSMISSION :

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner of Patents  
Washington, DC 20231

Sir:

In accordance with MPEP 609 and 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant brings the attached references to the Examiner's attention and requests that they be considered and made of record in this application. Also attached is a completed PTO-1449 form. ***No fee is believed to be due for this Information Disclosure Statement.*** However, if a first Office Action on the merits was mailed before the filing date of this Information Disclosure Statement, the Commissioner is authorized to charge the fee set forth in 37 CFR § 1.17(p) to Deposit Account No. 50-1836. A duplicate copy of this Statement is enclosed for that purpose.

Japanese Patent Publication No. 54-27147 discloses a shifting device for a rear derailleur. The device has an operating lever 4 mounted on a pivot axis that is different from the cable winding reel 5.

Japanese Patent Publication No. 54-149149 discloses a shifting device having a shift lever with amplifying movement of the winding length.

Japanese Patent Publication No. 62-238189 discloses a shifting device with a shifting lever that is mounted on a different rotational axis from the cable winding reel.

Japanese Patent Publication No. 5-82786 discloses a shifting device having a shifting lever 5 that is mounted on a pivot axis Y that is different from the cable winding axis Z.

Japanese Patent Publication No. 8-230759 discloses a speed change device 10. An operation part 12c of a speed change lever 12 is operated so as to be moved along a handlebar 1. An English abstract is provided to better understand this reference.

Japanese Patent Publication No. 3188172 discloses a shifting device that utilizes a four bar linkage mechanism for pulling cable 8. An English abstract is provided to better understand this reference.

German Patent Publication No. DE 37 06 545 discloses a hand lever device that utilizes a parallelogram-type suspension mechanism for pulling a cable. An English abstract is provided to better understand this reference.

\* \* \*

Prompt examination on the merits is respectfully requested.

Respectfully submitted,



Patrick A. Hilsmier

Reg. No. 46,034

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(202)-293-0444

Dated: October 14, 2003

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PTO/SB/08A (08-00)

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Substitute for form 1449A/PTO

**Complete if Known**

Application Number	10/671,636
Filing Date	09/29/03
First Named Inventor	Tatsuya KAWAKAMI
Group Art Unit	
Examiner Name	
Attorney Docket Number	SN-US015180A

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

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**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY
		Number	Kind Code (if known)		
		2770980		Millward	11-1956
		3220281		Irgens	11-1965
		3633437		Ishida	01-1972
		4900291		Patterson	02-1990
		5094120	A	Tagawa	03-1992
		5213005	A	Nagano	05-1993
		5222412	A	Nagano	06-1993
		5361645	A	Feng et al.	11-1994
		5673594	A	Huang et al.	10-1997
		5701786	A	Kawakami	12-1997
		5730030	A	Masui	03-1998
		5755139	A	Kojima	05-1998
		5775168	A	Furuta	07-1998
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		5829313	A	Shahana	11-1998
		5848555	A	Watarai	12-1998
		5941125	A	Watarai et al.	08-1999
		5957002	A	Ueng	09-1999
		6067875	A	Ritchev et al.	05-2000
		6155132	A	Yamane	12-2000

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY	Translation (Yes or No)
		Office	Number	Kind Code (if known)			
		JP	54-27147		Isobe	03-1979	No
		JP	54-149149	A	Takamiya	11-1979	No
		JP	62-238189	A	Tamura et al.	10-1987	No
		JP	5-82786	U	Tanabe	11-1993	No
		JP	8-230759	A	Yamane	09-1996	No
		JP	3188172	B2	Fukuda et al.	07-1997	No
		DE	37 06 545	A1	Beulich	09-1988	No
		EP	0671317	A1	Hara	09-1995	N/A
							N/A

Examiner  
Signature

Date  
Considered

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First Named Inventor	Tatsuya KAWAKAMI
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